User Manual [UK]

Sliding gate: Argos

Drive: UT Cardin 100SL 1524HER

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1 GENERAL

1.1 Manufacturer / Supplier

Manufacturer: Heras Productie Maatschappij B.V.
Hekdam 1 , 5688 JE Oirschot The Netherlands

Supplier: Heras Fencing Systems B.V.
Hekdam 1 , 5688 JE Oirschot The Netherlands

1.2 How to use this manual

This User Manual describes how to operate cantilever sliding gates and how to act in case of a failure. The sliding gate is hereafter referred to as *gate*.
The maintenance and safety aspects of the gate are also explained.

This Manual was written for those people who operate the gate and for the installer who commissions the gate.
There is a separate installation diagram for the installer to install the drive in question, working in compliance with NEN 1010.
If any technical failures occur, you must consult a qualified technician employed by the dealer.

This manual is only an addition to the manual enclosed with the motor unit.
Detailed information can be found in the manual enclosed with the motor unit.

1.3 Definitions of user / operator / technician

User: Anyone who is involved with the gate.
Operator: A user who is familiar with all the safety aspects listed in this manual. The operator is not allowed to carry out any installation activities on the gate unless this is explicitly stated and allowed.
Technician: The technician is a Heras fitter (or a technician employed by the customer who has been explicitly given permission in writing by Heras) who is qualified to perform technical operations on the gate.

1.4 Service / Maintenance Department / Dealer

In the event of problems, failures or questions you can contact:

Dealer **Tel.:** **<tel. dealer>**
Fax: **<fax dealer>**

You can also apply for a new copy of this User Manual via the telephone or fax numbers above.

1.5 Conformity with European directives

The installation complies with the following EU Directives:
98/37 EC Machine Directive
2006/95/EC Low Voltage Directive
2004/108/EC EMC Directive (electromagnetic compatibility)
89/106/EEC Construction Products Directive

The EC Declaration of Conformity can be found in Appendix C.
The rating plate is applied to the front or the rear of the gate.

2 Safety during use and work activities

2.1 General safety requirements, view of passage

NL) HOUDT VOLDOENDE AFSTAND BIJ IN BEWEGINGZIJNDE POORT
D) WENN TOR IN BEWEGUNG IST, AUSREICHENDEN ABSTAND HALTEN
GB) KEEP A SAFE DISTANCE WHEN THE GATE IS IN MOTION
F) RESTEZ SUFFISAMMENT À L'ÉCART DU PORTAIL LORSQU'IL SE TROUVE EN MOUVEMENT
HERAS

In spite of all the safety features, when operating the gate it must be ensured that:

- the immediate vicinity can be monitored.
- there are no objects on, between, under, or protruding through the gate which might block the gate.
- a safe distance is kept from the moving gate. Warning icons to this effect have been installed in various locations (Appendix B: Locations of warning signs).
- the passage opening through which people walk is kept free from snow and ice.

On a gate with “dead man's operation”, which often has no safety facilities, the entire movement and passage of the gate must be visible

2.2 Safety during work activities and commissioning

Safety instructions

- The operator must read the entire user manual before commissioning the gate. The instructions stated in the user manual must be observed and complied with. All other forms of use can cause unpredictable risks and are prohibited.
- When work is carried out on the drive unit cabinet, the power supply to the system must be switched off and it must be ensured that it cannot be switched on unexpectedly.
- To move the gate manually, first disengage the drive system using the key and the lever at the front of the drive unit cabinet.
- Always lock the drive unit cabinet during use. The drive unit cabinet may only be opened by a technician with electrotechnical training.

The EN 13241-1, EN 12453 and EN 12445 standards must be taken into consideration during installation.
To achieve a good safety level, the national regulations must be taken into account in non-EU countries in addition to the above standards.

2.3 Safety facilities on the gate

2.3.1 Anti-crushing facilities and regular checks

Depending on how the gate and the adjoining fence have been installed, there may be locations where there is a risk of people being crushed. Passive safety strips are installed in these locations (see Appendix A: Installing anti-crushing).

Regularly (once a month) check these safety strips visually for damage.

Check the safe operation of the safety strips as follows:

- The safety strips on the gate and the guide post are passive strips. The gate will stop immediately if this strip touches an object and a certain resistance is detected.
- Regularly check that the gate can move freely. The movement range and the guide (lower beam) must be free from snow, ice, weeds or other matter which might restrict the free movement of the gate.

Switch off the gate drive if these safety facilities do not work properly, since optimum safety cannot be guaranteed. Contact Service / Maintenance Department / Dealer **see 1.4**

2.3.2 Emergency release

The emergency release at the front of the drive unit enables the gate movement to be stopped by a double action: the drive is both disengaged and stopped by a switch. The gate can only be put into operation again after re-activating the emergency release.

- Rotate the lock protection disk on the release knob, insert the key and rotate it half a turn anticlockwise. The knob is now free and can be released.
- Rotate the knob through 90° clockwise. The gears are now released and the gate can be moved manually.
  This disengages the drive unit and interrupts the electrical power supply to the motor control.

See also the Cardin SL 100 1524 manual for more information

2.3.3 Infrared / vehicle safety in passage (optional)

This safety facility prevents the gate from closing when there are vehicles in the passage opening. If the vehicle safety device is triggered during the closing movement, the movement will stop and the gate will immediately open completely. Closing the gate can be continued if the passage is free again. If *automatic closing* is active this will take place automatically after a preset time.

The operation described above must be checked on a monthly basis.

2.3.4 General safety information

The Installation and User Manual must be permanently available at the place where the equipment is used.
It must be read thoroughly and complied with by anyone commissioned to operate, maintain, repair and transport the equipment. Unprofessional operation, poor maintenance or neglecting the instructions provided in this manual can endanger people or cause material damage. If the instructions, actions, safety information or other details of the Installation and User Manual raise any questions, please contact your supplier before commissioning the device. This also applies to all adjusting activities, trouble-shooting, disposing of fuels and consumables as well as cleaning, maintaining, inspecting and repairing the equipment.
The accident prevention regulations applicable at the place of installation and application (regulations of industrial associations) and the environmental regulations, as well as the relevant professional rules on working safely and professionally must be observed in addition to this Installation and User Manual. The supplier cannot anticipate all possible risks. If a certain action is not carried out as recommended, the owner/operating company must ensure that there is no personal danger to anyone and that the operating mode selected does not endanger nor damage the equipment. The equipment must only be put into use if all safety facilities are in place and work properly. All faults in the equipment with may affect the user's or third parties' safety must be remedied immediately. All warnings and safety information applied to the equipment must be fully in place and must be kept legible at all times. Any peripheral equipment which is to be connected to our electrical interfaces must bear CE marking indicating that the relevant requirements in the EC directives are complied with. Please note that no changes, neither mechanical nor electrical, may be carried out without the manufacturer's prior permission. Only use the parts prescribed by the supplier when making changes or installing extra parts on the equipment. The relevant work activities must only be carried out by professional staff. Any failure to comply with these instructions will be considered as non-compliant behaviour and will invalidate the manufacturer's guarantee, as a result of which the risk entirely transfers to the user. Our Service Department is at your disposal at all times to provide you with the relevant information. To ensure that the system is used in compliance with the relevant regulations in CEN countries, the applicable European safety directives and standards must at least be observed as well.

3 Commissioning the system, initialisation (technician)

See the enclosed Cardin SL 100 1524 manual for a technical description of the drive unit.

4 Gate application and technical details

4.1 Sliding gate description

The gate was designed to enable an area to be automatically closed off and made accessible again. This User Manual deals with the motorised (cantilever) sliding gates listed below.

Gate leaf	**Argos**
Length	5, 6 or 7 metres
Height	1.40 , 1.80 or 2 metres
Max. weight	130 kg
Runner	Metal/plastic
	cantilever

4.2 Technical details

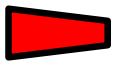
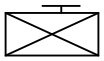
See the enclosed Cardin SL 100 1524 manual

Appendix A: Installing anti-crushing safety devices

The guidelines for installing anti-crushing safety devices on Argos sliding gates are listed below.

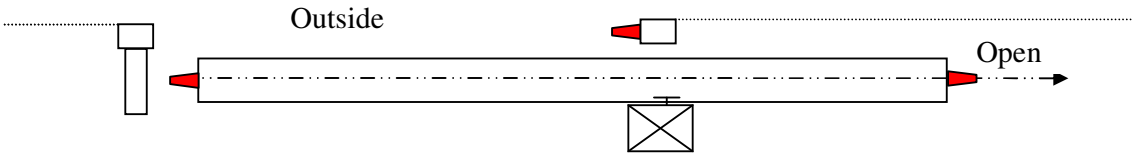
A sketch of the top view of the sliding gate is provided.

Explanation of symbols:

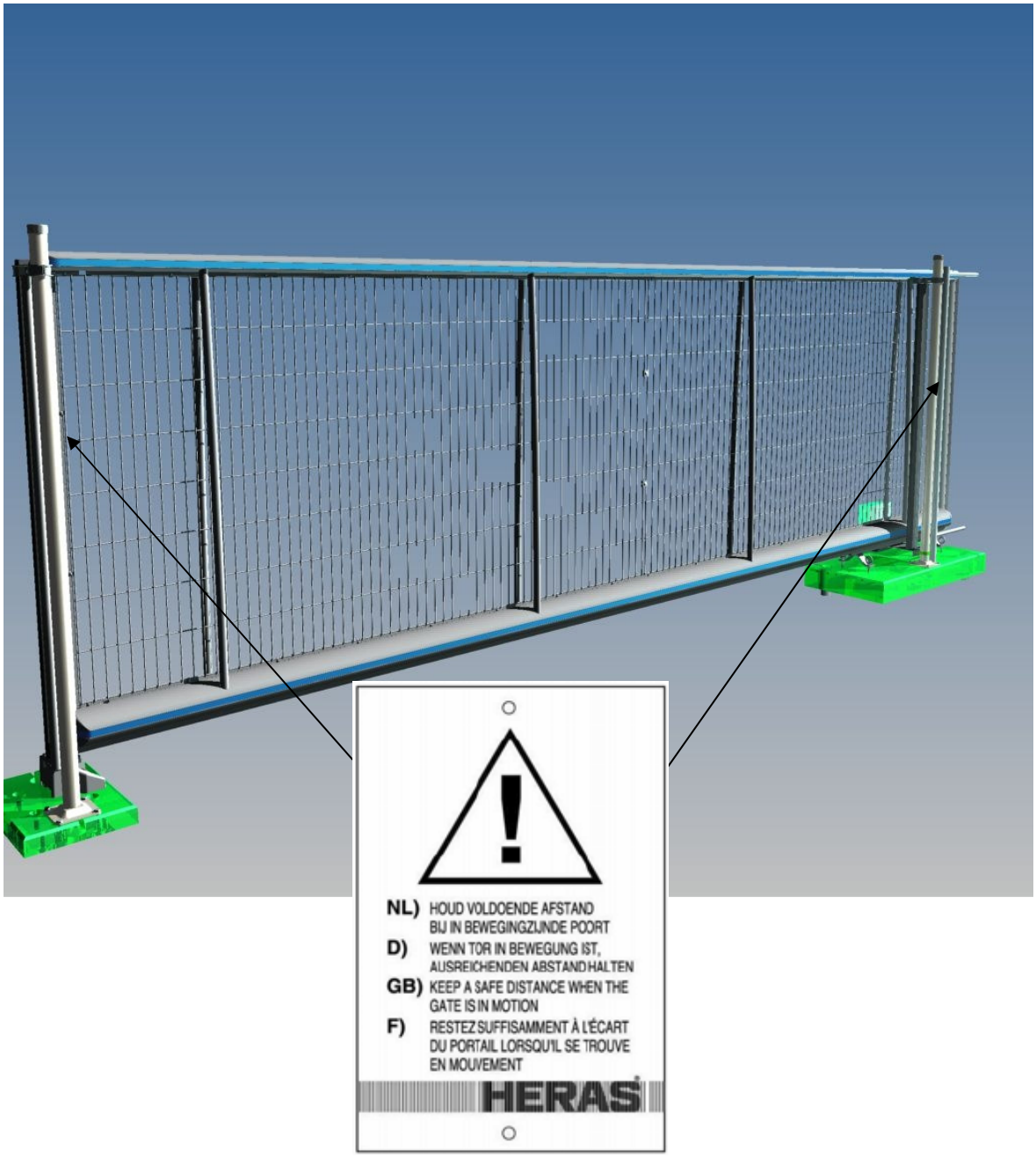
 Anti-crushing safety device  Drive unit cabinet

Mesh / fencing line

Argos gate (3x passive)



Appendix B: Locations of warning signs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D) WENN TOR IN BEWEGUNG IST, AUSREICHENDEN ABSTAND HALTEN
GB) KEEP A SAFE DISTANCE WHEN THE GATE IS IN MOTION
F) RESTEZ SUFFISAMMENT À L'ÉCART DU PORTAIL LORSQU'IL SE TROUVE EN MOUVEMENT
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Appendix C: EC Declaration of Conformity

Heras Fencing Systems B.V., Hekdam 1, 5688 JE Oirschot, the Netherlands, hereby declares that the system referred to below complies with the Commission requirements of 14 June 1989 for harmonisation by the member states in line with the Machine Directive and the corresponding amending directives.

Type of sliding gate system	Argos sliding gate	
EU Directives applied	98/37 EC	Machine Directive
	2006/95/EC	Low Voltage Directive
	2004/108/EC	EMC Directive
	89/106/EEC	Construction Products Directive

The following harmonised standards have been applied:

EN 12100-1 / EN 12100-2	EN 61508:2001
NEN-EN 14121-1	EN 60335-1:2002
EN 954-1: 1996	EN 12978:2003
EN 1760-2	EN 12604: 2000
EN 60204-1 1997	EN 12605: 2000
EN 61000-6-3 : 2001	
EN 61000-6-1 : 2001	
EN 12453: 2005	
EN 12445: 2005	
EN 12444: 2000	
EN 13241-1: 2003	

Heras Fencing Systems B.V., Hekdam 1, 5688 JE Oirschot, the Netherlands, also declares that the entire system (gate with Drive) must not be put into operation until the “machine” has been approved in accordance with the provisions of the Machine Directive 98/37/EC and subsequent amendments, adopted by national legislation.

Oirschot,19-02-2008

Hans Welting

Managing Director

Heras Fencing Systems B.V.

Notes